

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/050808

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01R13/658

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 167 531 A (DAVIS WAYNE S ET AL) 1 December 1992 (1992-12-01) cited in the application the whole document	1-16
A	US 6 074 223 A (HUANG WAYNE) 13 June 2000 (2000-06-13) column 2, line 13 - line 26	1-16
A	US 5 073 130 A (NAKAMURA MASAHIKO) 17 December 1991 (1991-12-17) column 6, line 54 - column 7, line 13	1-16
A	US 6 095 862 A (DOYE DENNIS LEE ET AL) 1 August 2000 (2000-08-01) cited in the application abstract	1-16

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*B\* document member of the same patent family

Date of the actual completion of the international search

7 September 2004

Date of mailing of the international search report

16/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Demo1, S

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/050808

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5167531	A	01-12-1992	DE	69309761 D1	22-05-1997
			DE	69309761 T2	13-11-1997
			EP	0561497 A1	22-09-1993
			JP	2892903 B2	17-05-1999
			JP	6029061 A	04-02-1994
			KR	183463 B1	15-05-1999
US 6074223	A	13-06-2000	CN	2401923 U	18-10-2000
			TW	424986 Y	01-03-2001
US 5073130	A	17-12-1991	JP	3079175 U	12-08-1991
			KR	9402664 Y1	22-04-1994
US 6095862	A	01-08-2000	CN	1264198 A	23-08-2000
			EP	1026785 A2	09-08-2000
			JP	3194228 B2	30-07-2001
			JP	2000228258 A	15-08-2000
			SG	82665 A1	21-08-2001
			TW	470229 Y	21-12-2001